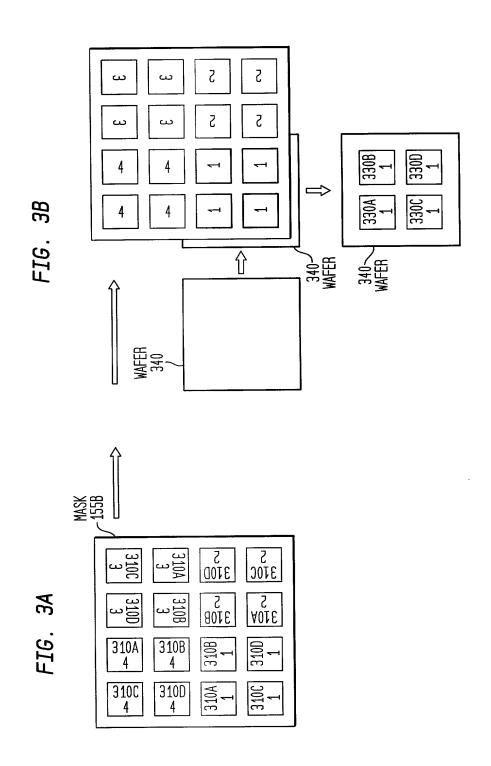
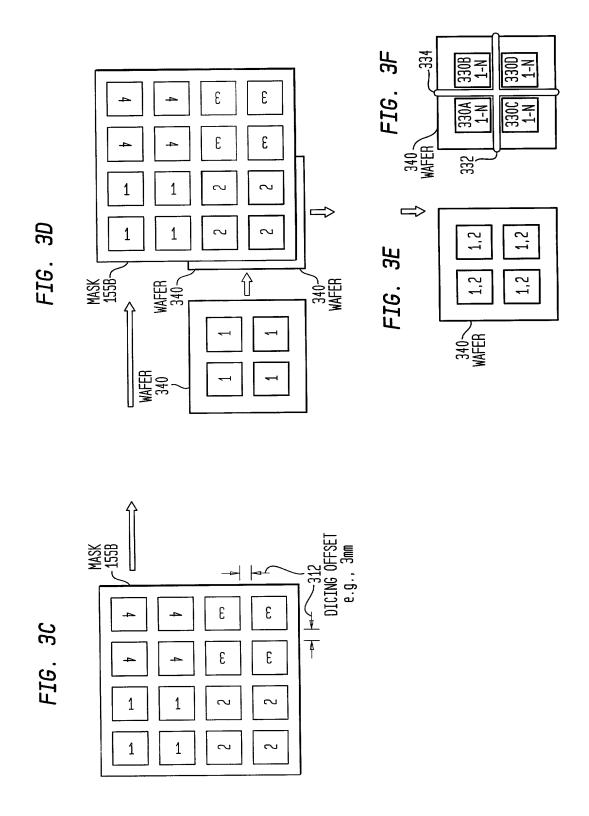
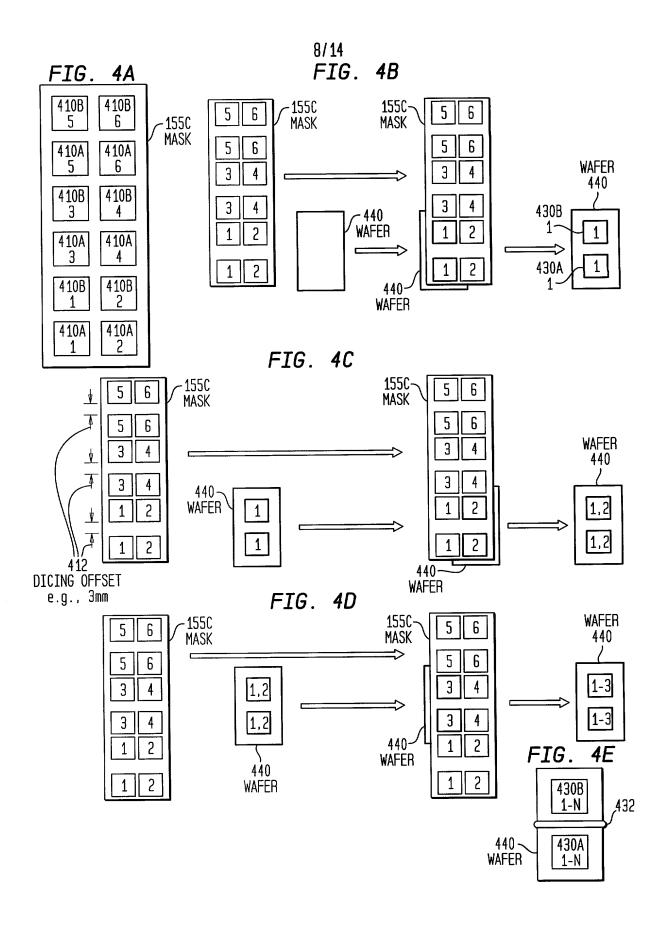


FIG. 2F (PRIOR ART) 232A-Z Z z z Z Z Z Z Z z Z Z Z







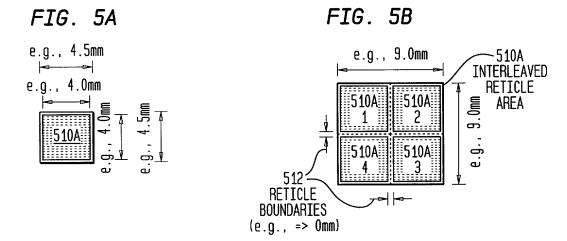
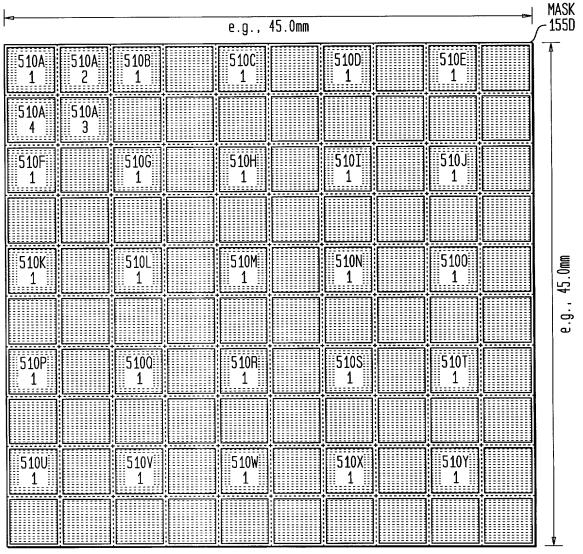


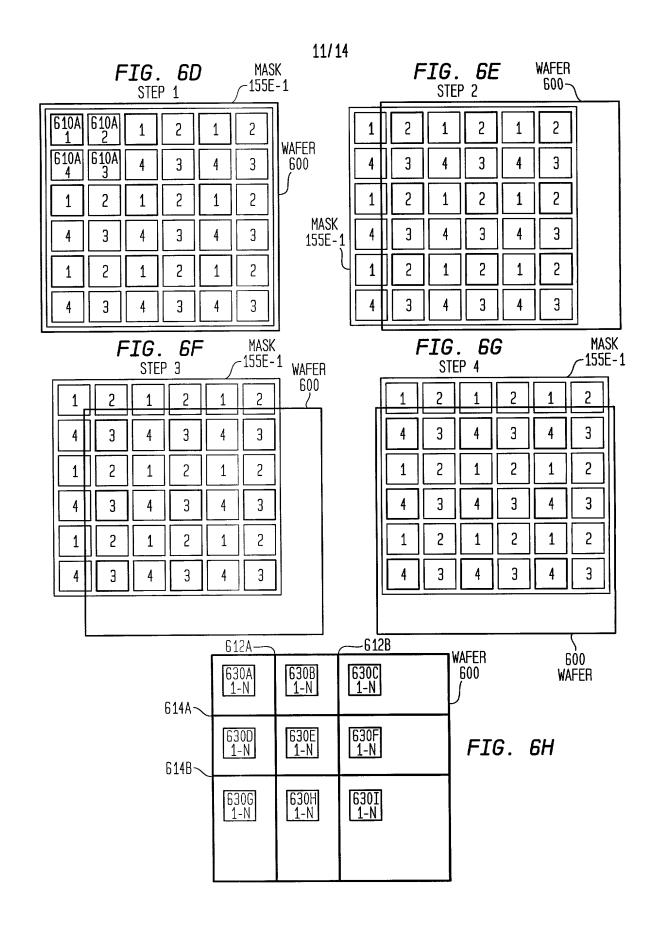
FIG. 5C

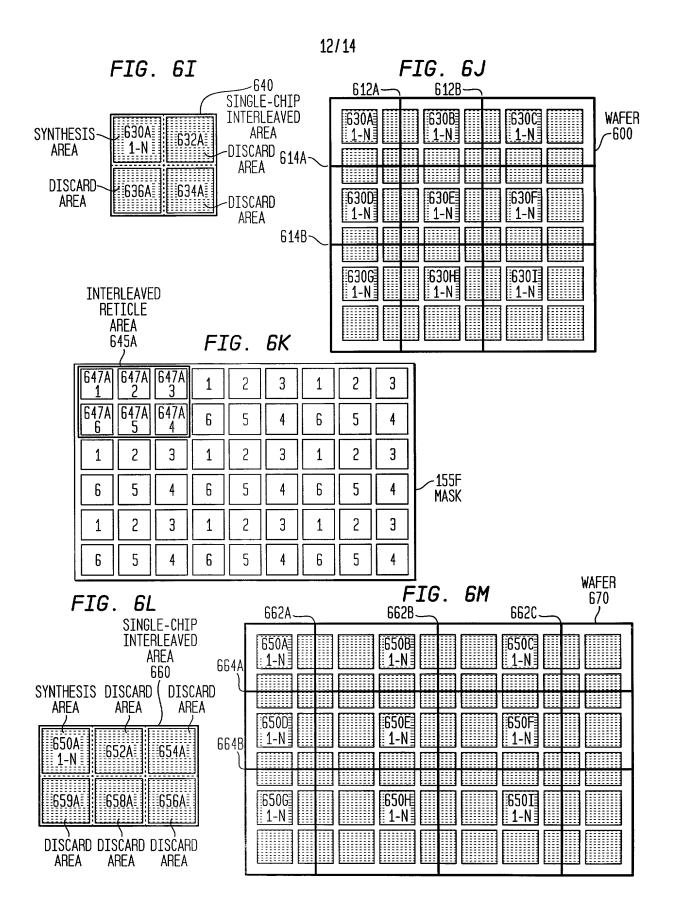


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FIG. 6A 610B 610B 2 610C 610C 610A 610A 2 1 1 2 1 -610C 610A-610C 610B 610B 610C 610A 610A **INTERLEAVED** INTERLEAVED 3 3 4 RETICLE RETICLE AREA AREA 610F 610H 610G 610H 610F 610G 2 2 1 1 1 155E-1 610H 610G 610H 610F 610F 610G MASK 3 3 3 4 4 4 610K 610I 610J 610J 610K 610I 2 1 1 610I 610I 610J 610J 610K 610K 3 3 3 4 4 4

FIG. 6C FIG. 6B **INTERLEAVED** RETICLE **AREA** 610A 610A 610A 6 5 6 5 6 5 1 2 1 2 1 155E-2~ 610A 610A 7 3 3 В 7 8 7 8 4 MASK 3 4 5 5 2 5 6 6 6 2 1 2 1 1 155E-1 3 3 8 7 8 7 8 7 3 4 4 4 MASK 5 6 5 6 5 6 2 2 2 1 1 1 7 3 3 8 8 7 8 7 3 4 4 4





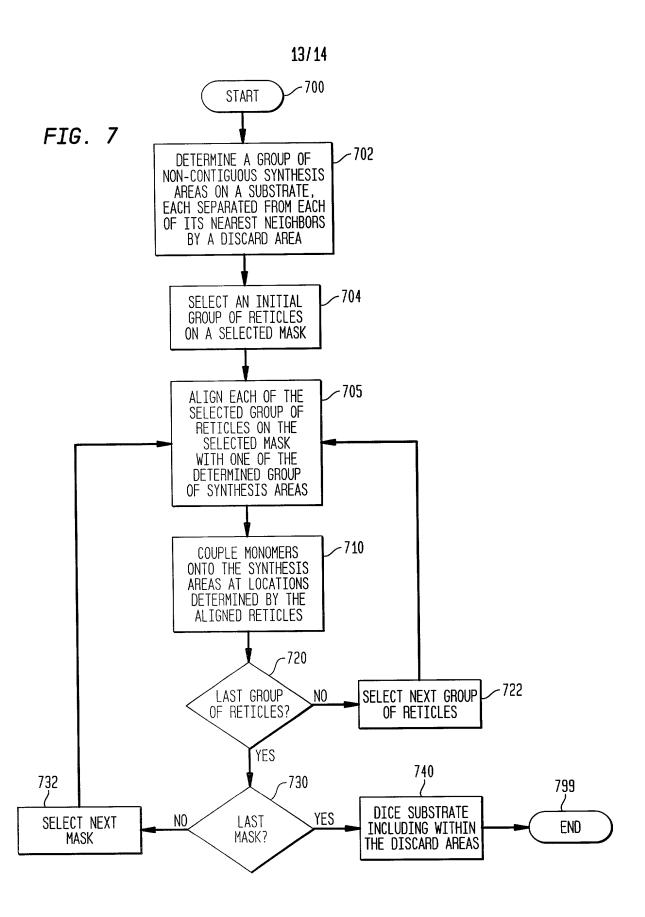


FIG. 8 800 805 PROBE ARRAY SYNTHESIS SYSTEM POLYMER SYNTHESIS APPLICATION 112~ MASK SPECIFICATION 810 FILES COMPUTER OR CONTROLLER 114~ **PROBE** SPECIFICATION FILES 155 820 **ALIGNER** MASKS 804 REAGENTS SYNTHESIZED PROBE ARRAYS SYNTHESIZER SUBSTRATES, PACKAGING, AND OTHER MATERIALS 810 830 806